

a flexible circuit board attached to said liquid crystal display panel, for applying driving signals to said liquid crystal display panel;

a back light assembly for providing a light to said liquid crystal display panel;

a mold frame for receiving said liquid crystal display panel and said back light assembly, wherein the mold frame includes a receiving recess for receiving a portion of the flexible circuit board;

a chassis coupled to said mold frame, for fixing said liquid crystal display panel and said back light assembly to said mold frame; and

a support member for supporting a portion of the flexible circuit board in the receiving recess.

3 (Twice Amended) The liquid crystal display device of claim 3, wherein a recessed portion of the receiving recess is formed at the upper end of an outer side surface of a side wall of the mold frame is deeper than a recessed portion of the receiving recess at the lower end thereof.

4. (Twice Amended) The liquid crystal display device of claim 3, wherein a recessed portion of the receiving recess is deeper to receive a protruding portion which is attached to the flexible circuit board.

5. (Twice Amended) The liquid crystal display device of claim 1, wherein the support member includes a separating support member for closely supporting a bottom surface of the flexible circuit board, the separating support member is inserted into the receiving recess.

6. (Twice Amended) The liquid crystal display device of claim 5, wherein at least one engaging recess having a predetermined depth is formed at an end of the receiving recess; and

at least one engaging hole having a predetermined depth formed in the engaging recess.

7. (Twice Amended) The liquid crystal display device of claim 6, wherein the separating support member comprises a fixing body having an inclined surface, an engaging plate formed on both sides of the fixing body and inserted into the engaging recess, and an engaging boss formed on the engaging plate and inserted into the engaging recess.

8. (Twice Amended) The liquid crystal display device of claim 1, wherein the support member is a fixing film having at least one end attached to an inner surface of the chassis and having another other end fixed to a bottom surface of the mold frame for supporting said flexible circuit board.

9. (Twice Amended) The liquid crystal display device of claim 8, further comprising a bonding material for fixing the bottom surface of the mold frame and the end portion of the fixing film opposite to the bottom surface of the mold frame.

10. (Twice Amended) The liquid crystal display device [according to] of claim 8, wherein a boss is formed on a bottom surface of the mold frame, and a penetrating hole for fixing the fixing film is formed in a portion of the fixing film which corresponds to the boss.

11. (Amended) The liquid crystal display device of claim 8, wherein a plurality of flexible circuit boards are attached to one side of the liquid crystal display device, and one side end which is attached to the chassis among a plurality of fixing films which correspond to the number of the flexible circuit boards is protruded as the number of the receiving recess, and the other side end which is attached to the mold frame among the fixing films is integrally connected.

12. (Twice Amended) The liquid crystal display device of claim 1, wherein a resilient member for fixing the flexible circuit board is installed between a rear side surface of the flexible circuit board which is received in the receiving recess and an inner side surface of the chassis.

13. (Twice Amended) The liquid crystal display device of claim 1, wherein the support member is fixed to the chassis provided at a side wall portion of the chassis which corresponds to the flexible circuit board.

14. (Twice Amended) The liquid crystal display device of claim 13, wherein the support member is comprised of a resilient material.

15. (Twice Amended) The liquid crystal display device of claim 13, wherein the support member has an L-shape portion and a horizontal portion, the horizontal portion is attached to an inner side wall of the chassis for supporting a rear surface of the flexible circuit board.

16. (Twice Amended) The liquid crystal display device of claim 13, further comprising a protecting cover having one end fixed to a side wall portion of the chassis at a position higher than the support member and which is extended to one end of a bottom surface portion of the mold frame, covering the flexible circuit board.

17. (Twice Amended) The liquid crystal display device of claim 16, further comprising a protecting cover for fixing the other end of the protecting cover to the bottom surface portion of the mold frame.

18. (Twice Amended) The liquid crystal display device of claim 13, further comprising a printed circuit board cover for protecting a bottom surface portion to which an integrated circuit board is attached and a bottom surface portion to which the flexible circuit board is attached, the printed circuit board cover being provided on a bottom surface of the mold frame.

19. (Twice Amended) The liquid crystal display device of claim 13, wherein the support member includes a bending piece which is fixed to a side wall portion of the chassis substantially corresponding to a portion where the flexible circuit board is attached and is bent to support the flexible circuit board from the side wall portion of the chassis.

20. (Twice Amended) The liquid crystal display device of claim 19, wherein the bending piece comprises a horizontal portion which is fixed to a central portion of the side wall

portion of the chassis and an inclined portion which is provided at an end of the horizontal portion for supporting the flexible circuit board.

21. (Twice Amended) The liquid crystal display device of claim 20, further comprising a support portion for supporting the inclined portion formed at an end of the inclined portion and extended to the bottom surface portion of the mold frame.

22. (Twice Amended) The liquid crystal display device of claim 21, wherein the support portion has a hook shape.

23. (Twice Amended) The liquid crystal display device of claim 1, further comprising an integrated printed circuit board having a source portion for providing a data driving signal to the liquid crystal display panel through a data line of the liquid crystal display panel and a gate portion for providing a gate driving signal to a gate line of the liquid crystal panel, and the flexible circuit board is a gate side flexible circuit board which is attached to the gate side of the liquid crystal display panel to transfer the gate driving signal from the integrated printed circuit board to the liquid crystal display panel.

24. (Amended) A liquid crystal display device, comprising:
a liquid crystal display panel;
a back light assembly for providing a light to the liquid crystal display panel;
a mold frame for receiving the liquid crystal display panel and the back light assembly,
wherein the mold frame includes a recess portion;

an integrated printed circuit board attached to a first portion of the liquid crystal panel, the integrated printed circuit board having a first part for providing image signals and a second part for providing first driving signals to the liquid crystal display panel;

a first flexible circuit board for connecting the integrated printed circuit board to a first portion of the liquid crystal display panel;

a second flexible circuit board attached to a second portion of the liquid crystal display panel, for applying second driving signals to the liquid crystal display panel, a portion of the flexible circuit board is arranged at a predetermined angle towards an outside of the recess portion of the mold frame;

a chassis coupled to the mold frame, for fixing the liquid crystal display panel and the back light assembly to the mold frame; and

a support means disposed between the chassis and the flexible circuit board, for supporting the flexible circuit board towards the outside of the side wall of the mold frame.

25. (Amended) A liquid crystal display device, comprising:

a liquid crystal display panel;

a back light assembly for providing a light to the liquid crystal display panel;

a mold frame for receiving the liquid crystal display panel and the back light assembly, wherein the mold frame includes a recess portion;

a flexible circuit board attached to a portion of the liquid crystal display panel, for applying driving signals to the liquid crystal display panel, a portion of the flexible circuit board being arranged substantially perpendicular to the liquid crystal display panel to be opposite to an outside of a side wall of the mold frame; and

a chassis coupled to the mold frame, for fixing the liquid crystal display panel and the back light assembly to the mold frame.

26. (Amended) A liquid crystal display device, comprising:

a liquid crystal display panel;

a back light assembly for providing a light to the liquid crystal display panel;

a mold frame for receiving the liquid crystal display panel and the back light assembly, wherein the mold frame includes a recess portion;

an integrated printed circuit board attached to a first portion of the liquid crystal panel, the integrated printed circuit board having a first part for providing image signals and a second part for providing first driving signals to the liquid crystal display panel;

a first flexible circuit board for connecting the integrated printed circuit board to a first portion of the liquid crystal display panel;

a second flexible circuit board attached to a second portion of the liquid crystal display panel, for applying second driving signals to the liquid crystal display panel, a portion of the second flexible circuit board being bent perpendicular to the liquid crystal display panel to be opposite to an outside of a side wall of the mold frame and a portion of the second flexible circuit board arranged in the recess portion; and

a chassis coupled to the mold frame, for fixing the liquid crystal display panel and the back light assembly to the mold frame.

27. (Amended) A liquid crystal display device, comprising:

a liquid crystal display panel;

a back light assembly for providing a light to said liquid crystal display panel;

a mold frame for receiving said liquid crystal display panel and said back light assembly,

a portion of the mold frame includes a recess portion;

a flexible circuit board attached to said liquid crystal display panel, for applying driving signals to said liquid crystal display panel, a portion of the flexible circuit board being bent in a predetermined angle towards an outside of a side wall of said mold frame;

a chassis coupled to said mold frame, for fixing said liquid crystal display panel and said back light assembly to said mold frame; and

a support means disposed between the chassis and the flexible circuit board to be coupled with the first portions of the outside of the side wall of the mold frame, for supporting the flexible circuit board to second portions of the outside of the side wall of said mold frame.

REMARKS

At the outset, Applicants thank the Examiner for the thorough review and consideration of the subject application. The Non-Final Office Action dated February 4, 2003 has been received and its contents carefully noted. Claim 2 has been cancelled, claims 1 and 3-27 have been amended. Accordingly, claims 1 and 3-27 are currently pending in this application.

Claim Objections

Claim 25 was objected to as containing minor informalities. Applicants amend claim 25 to correct an inadvertent typographical error. Accordingly, Applicants respectfully submit that the objection has been obviated and hereby request withdrawal of the objection.